



Earthwork on Resurfacing and Widening Projects Within FDOT SS4

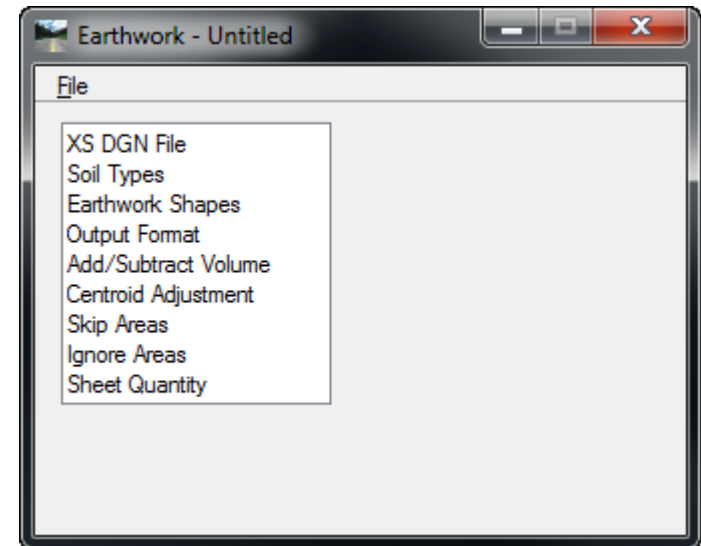
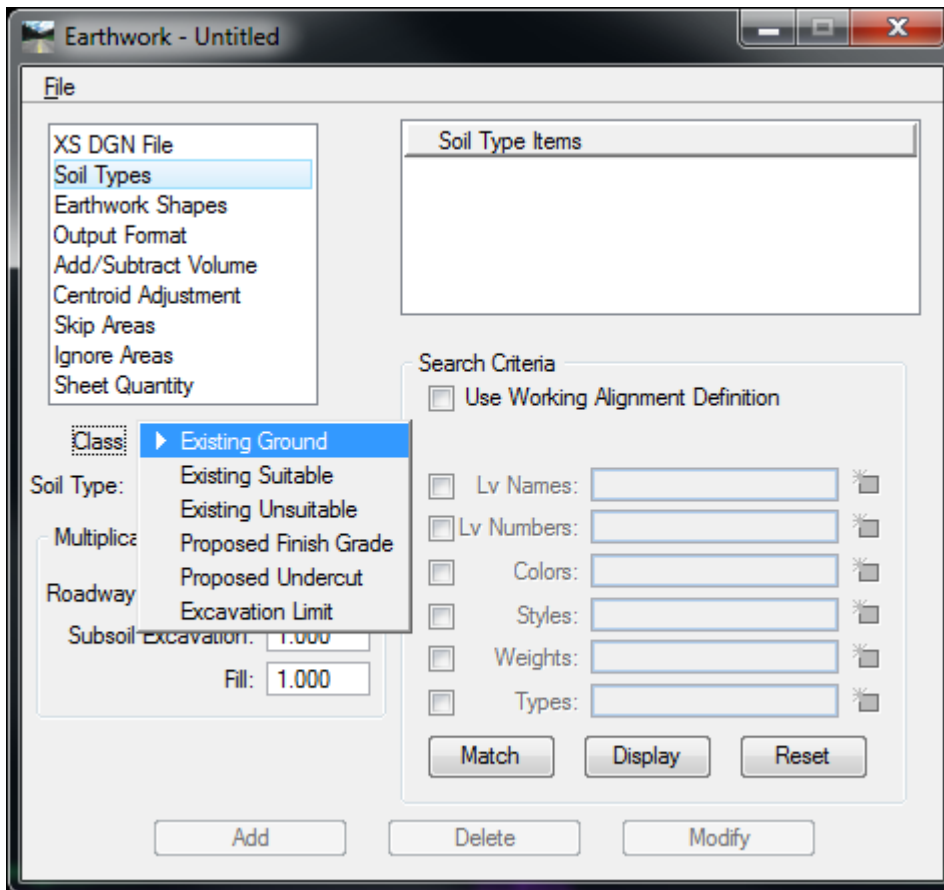
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FDOT – District 6 Design Office

Outline

- SS2 vs SS4
- Using the End Area Volume Tool
- Unsuitable Material
- Overbuild
- Manipulating GKLNRD## File
- Questions

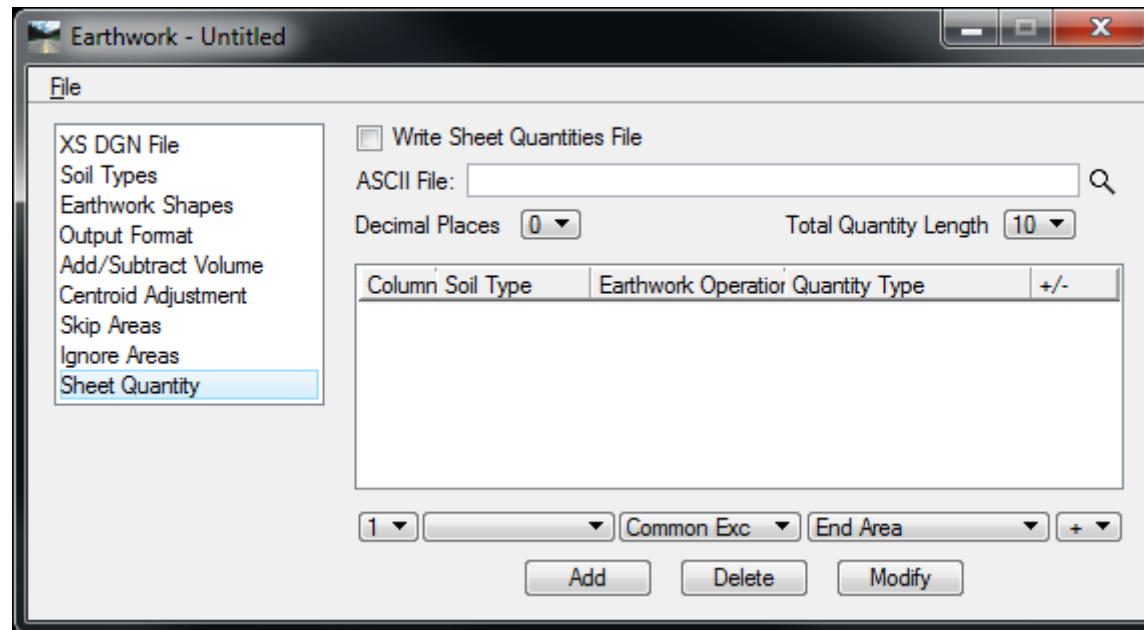
Background – SS2

- Recognizes line styles from your cross sections

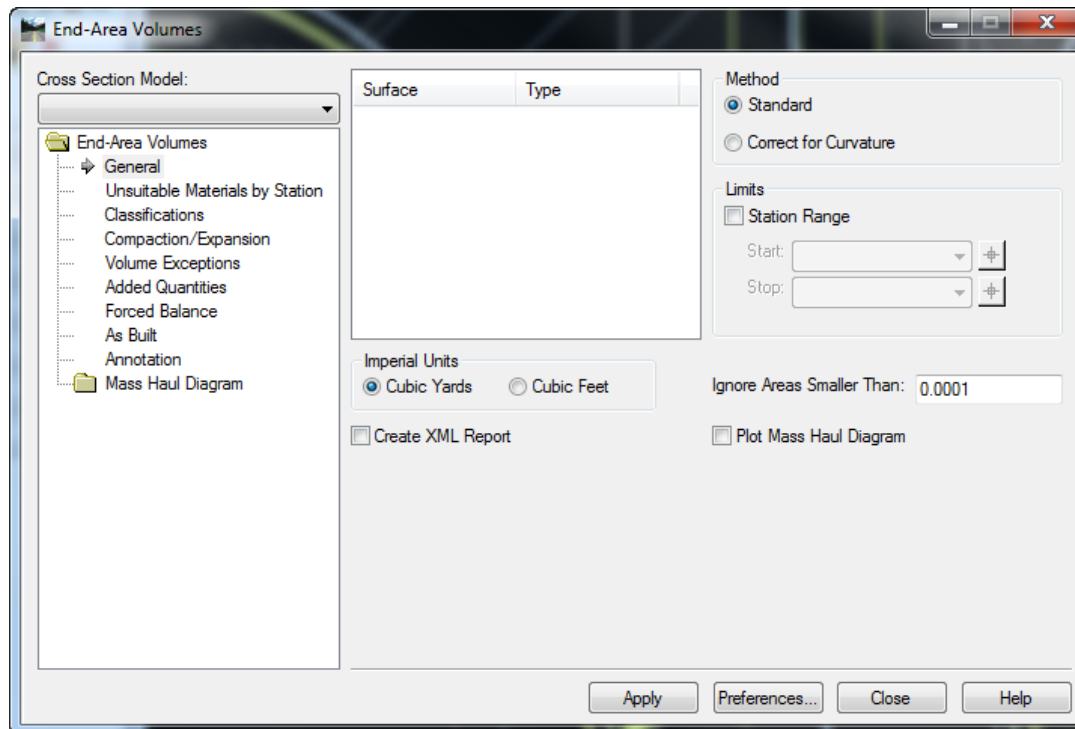


Background – SS2

- Earthwork Quantities

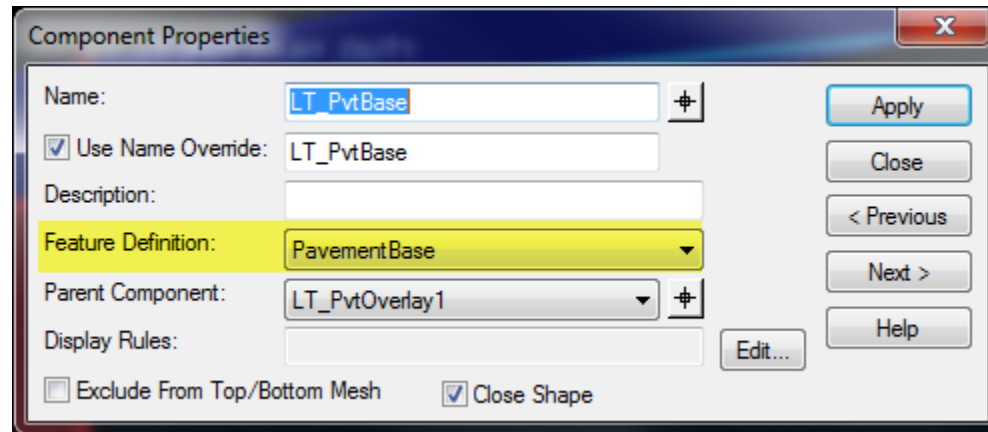


Background – SS4



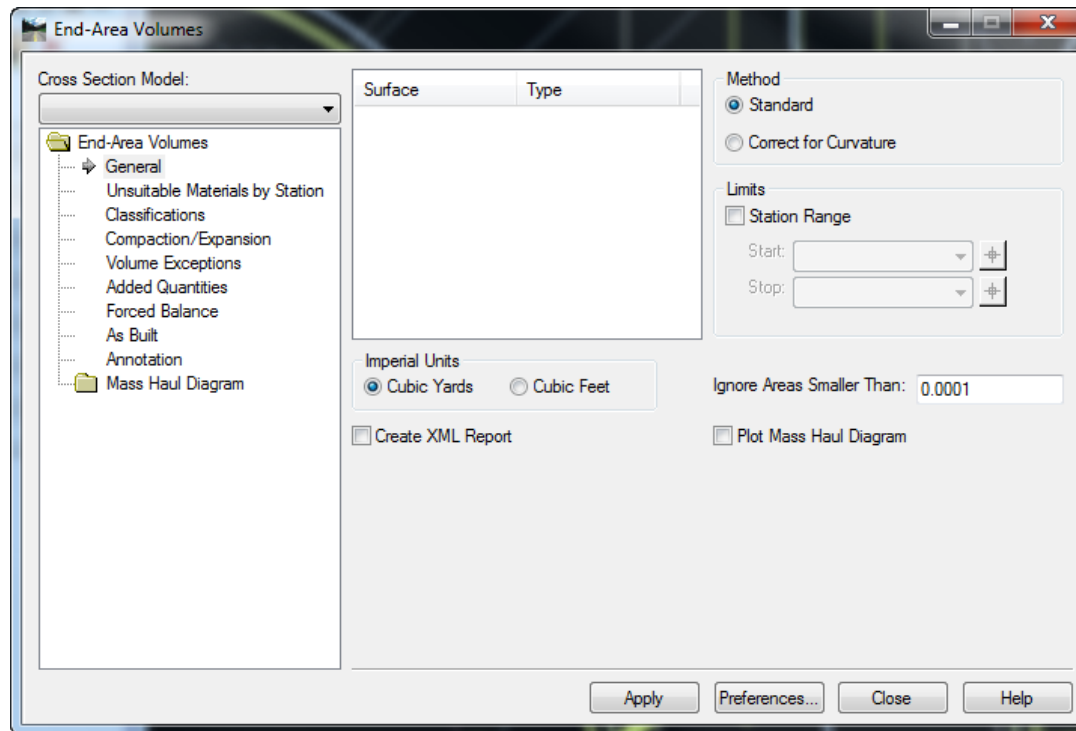
Background – SS4

- Recognizes feature definitions from the components in your model



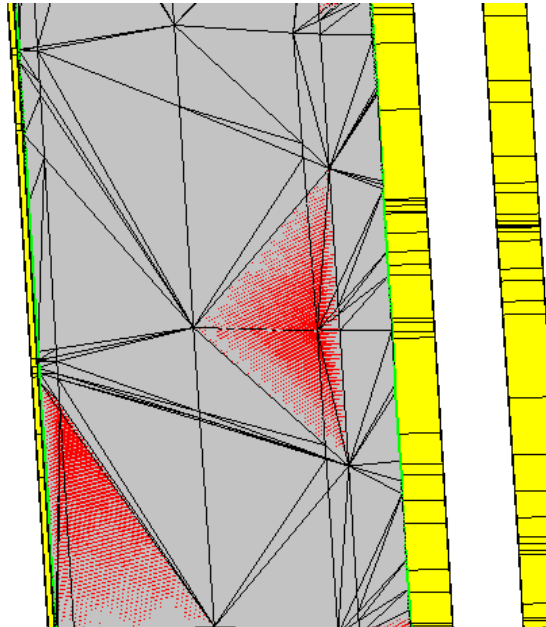
Background – SS4

- Recognizes corridor shapes



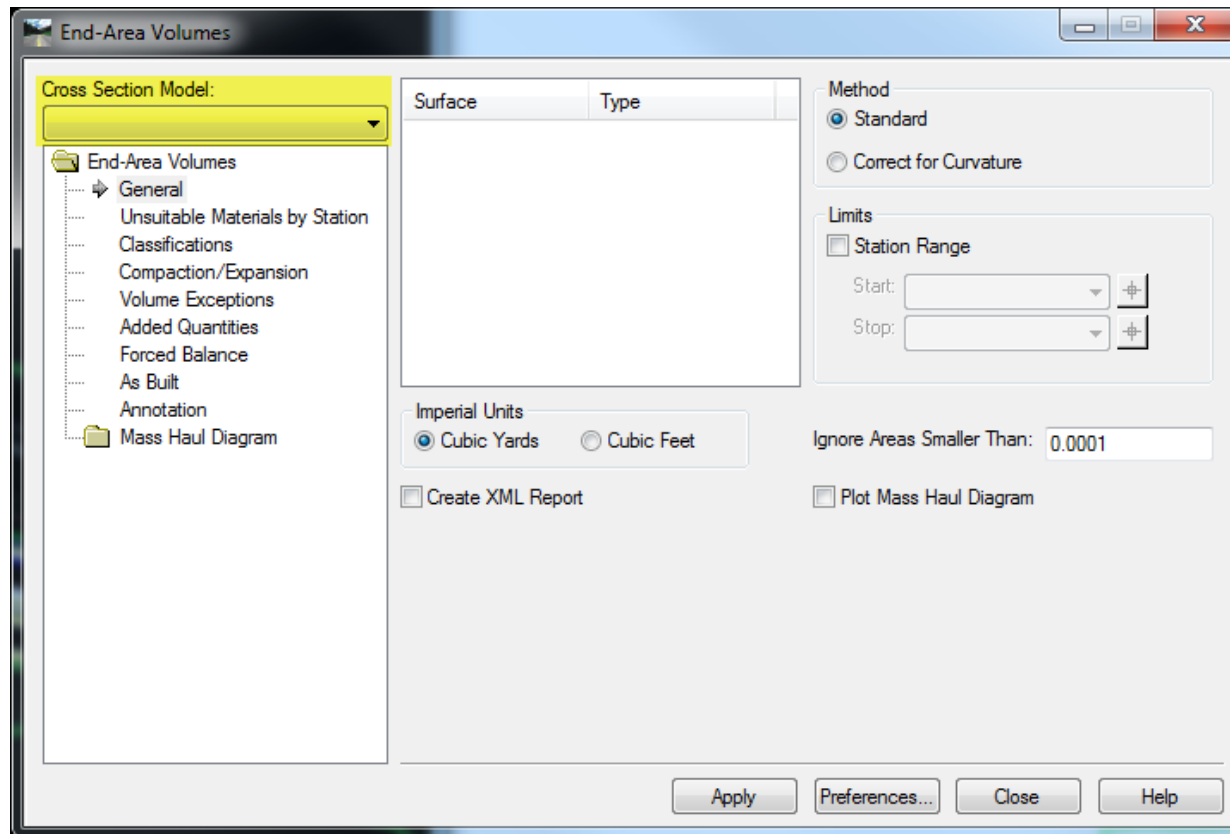
Background – SS4

- Existing features are plotted from the shapes created in the GKLNRD01 (Geopak Lines for Existing Features File).



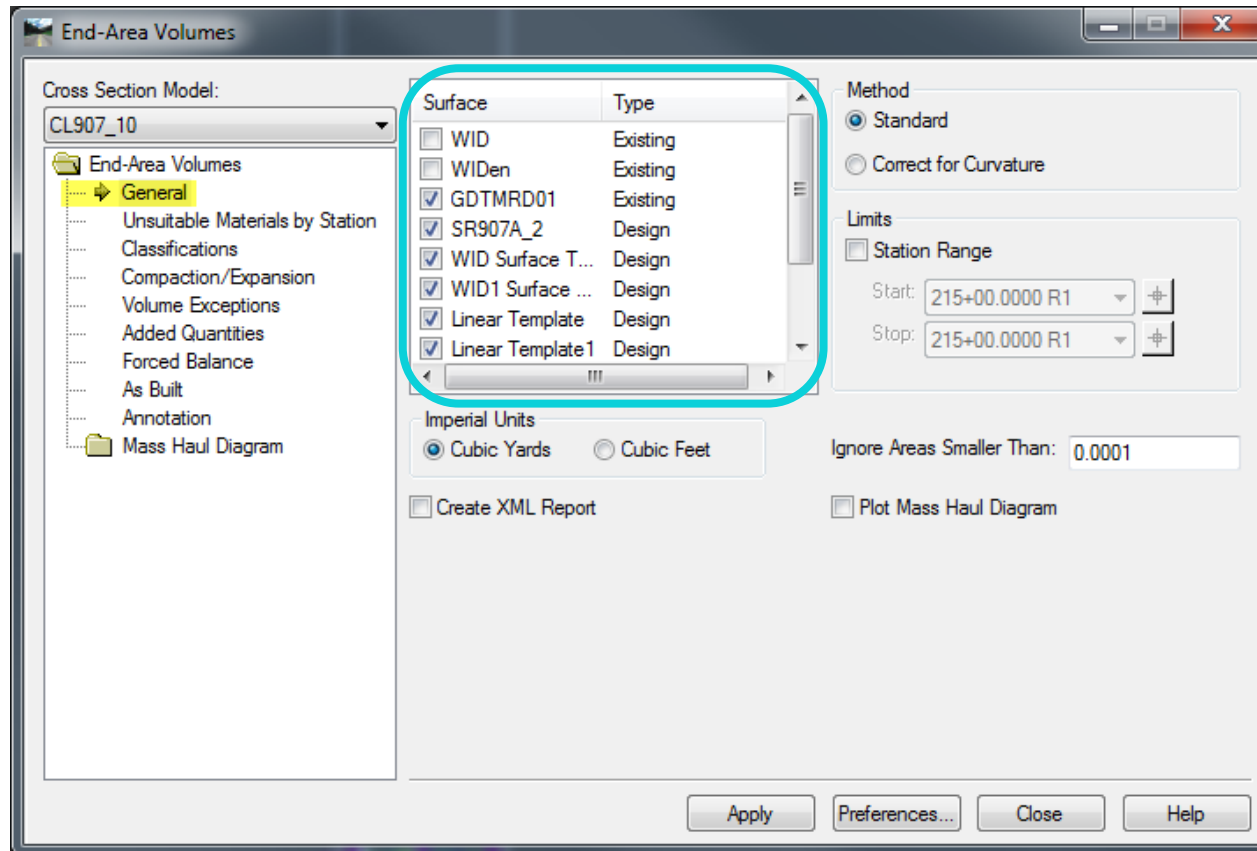
Earthwork Tool

1. Select your Cross Section Model



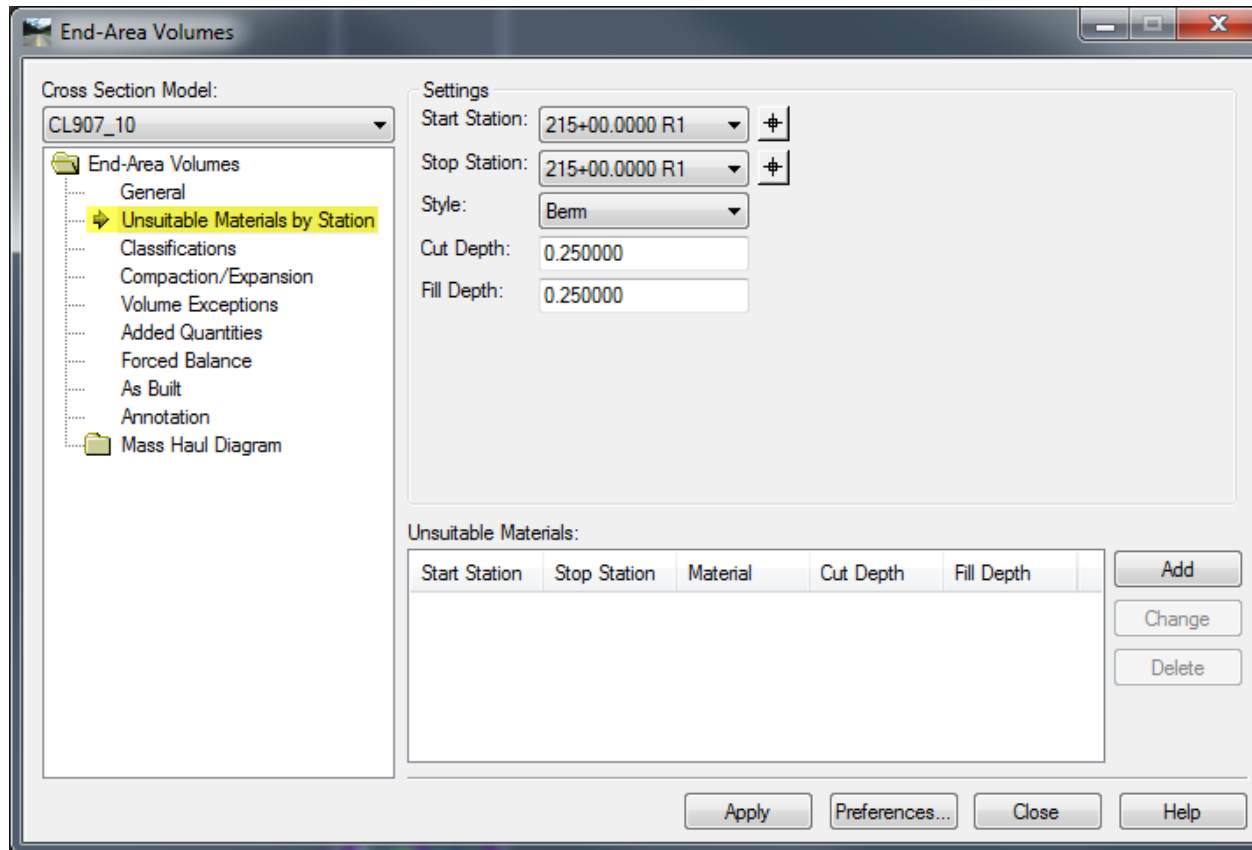
Earthwork Tool

2. Select all GENERAL Information for your project



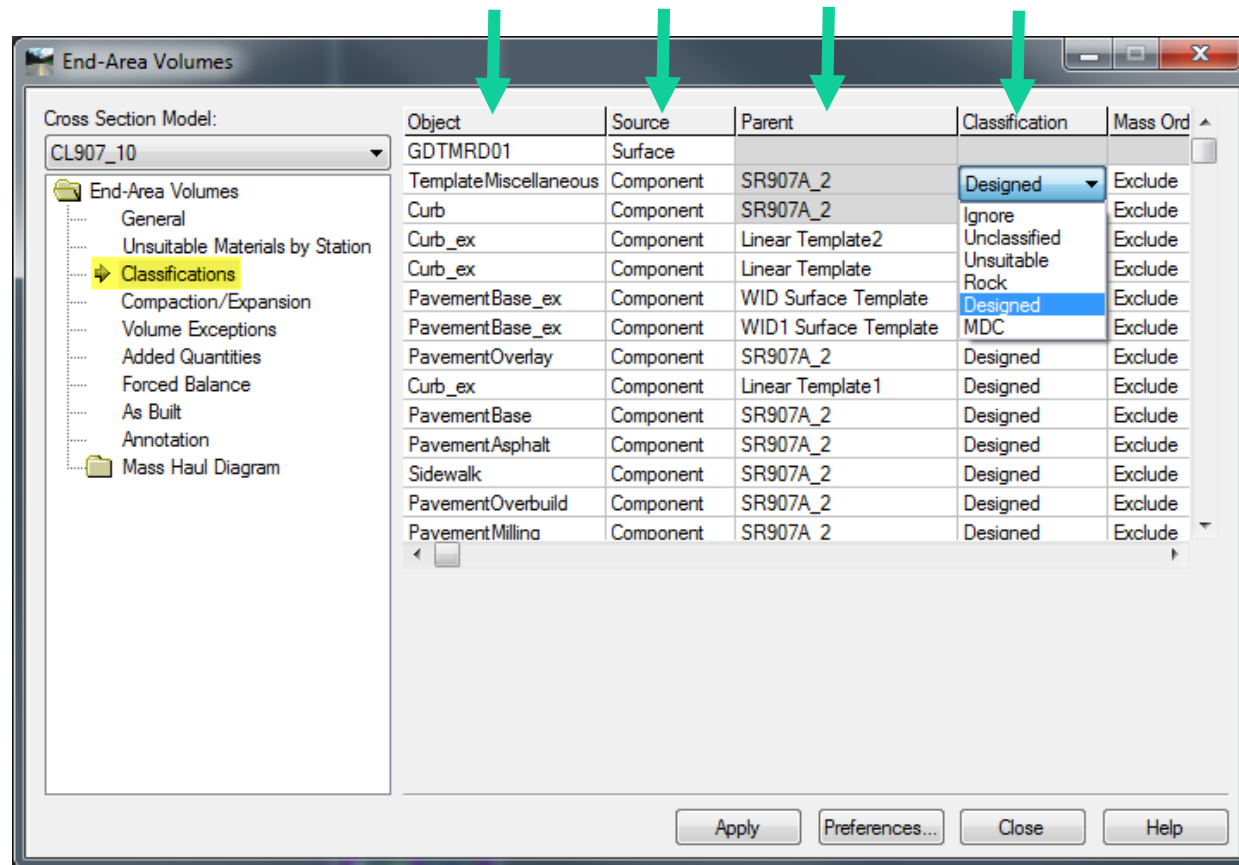
Earthwork Tool

3. Unsuitable Materials by Station



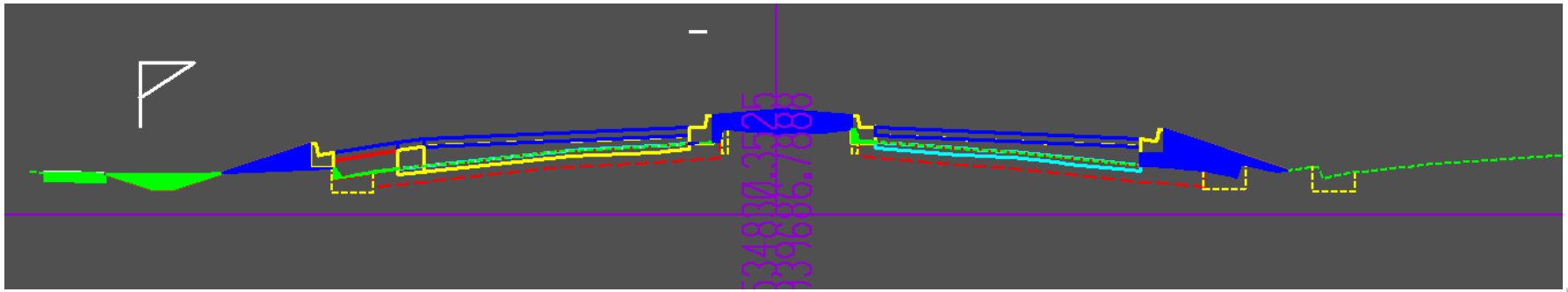
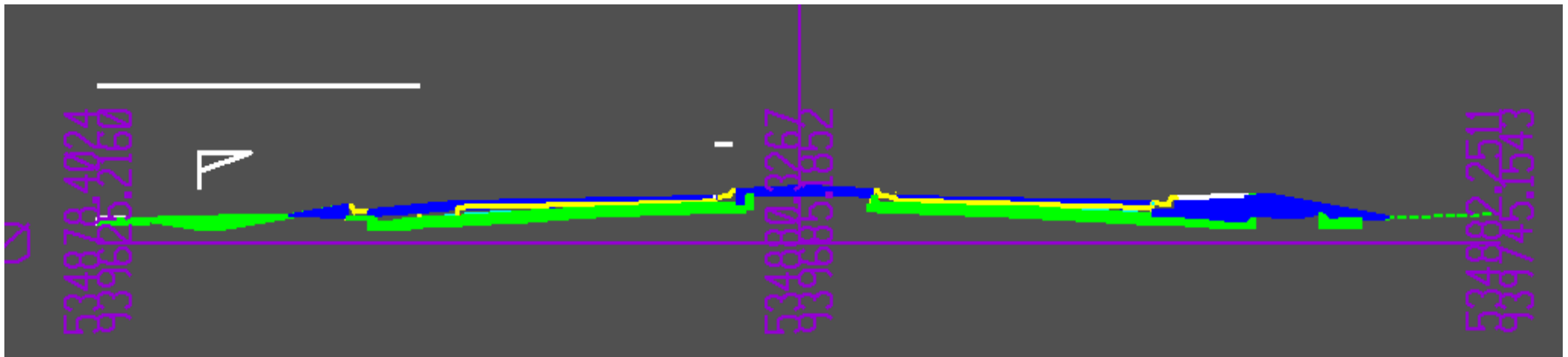
Earthwork Tool

4. Classifications



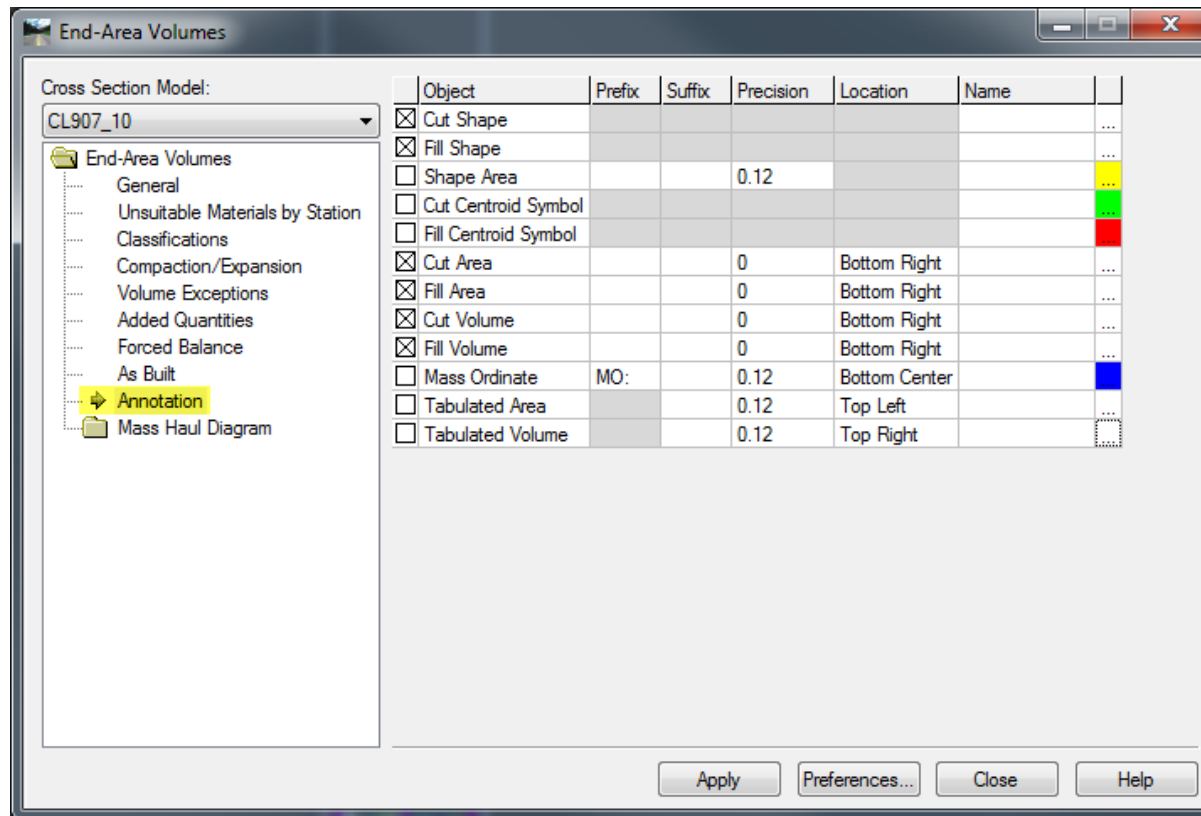
Example # 1

- Calculate earthwork on a RRR with widening.



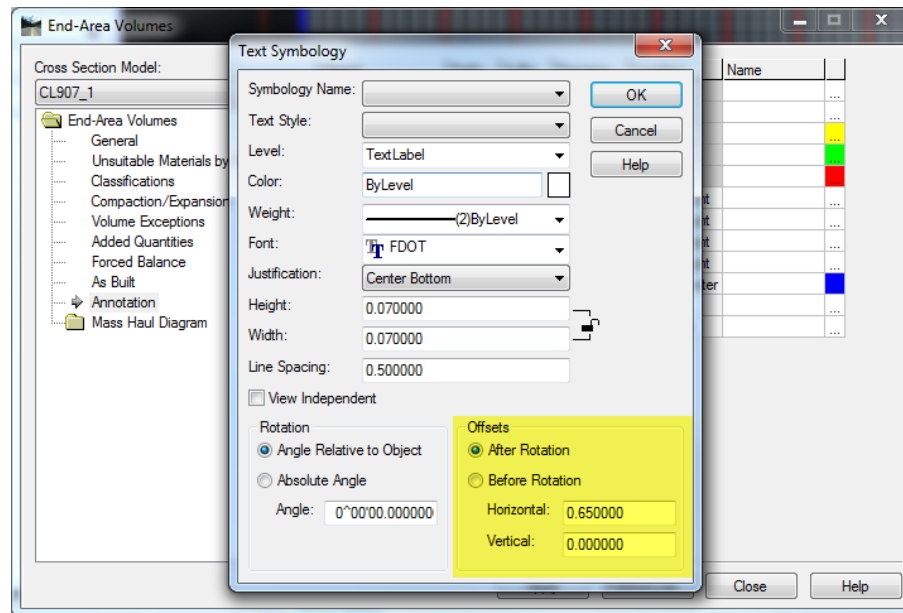
Earthwork Tool

5. Annotation

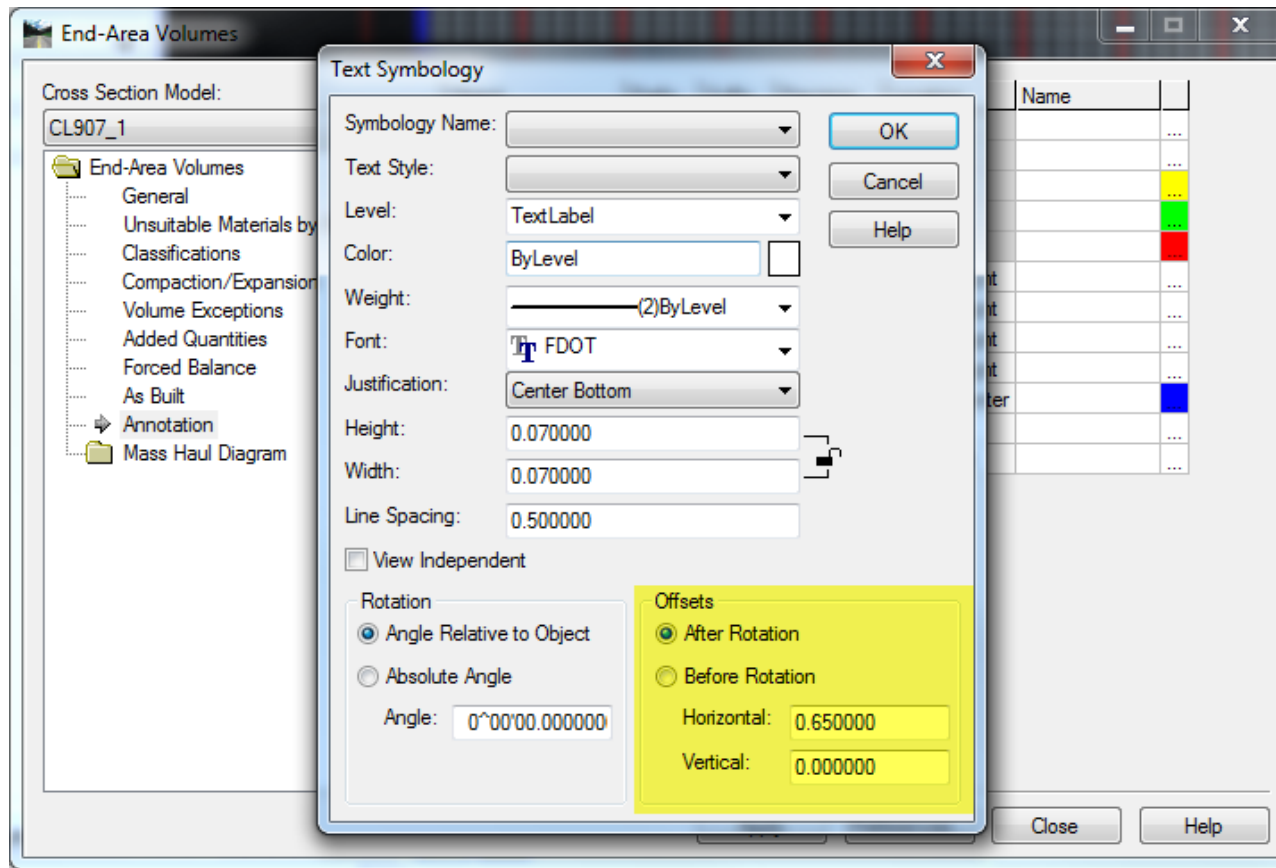


Unsuitable Materials

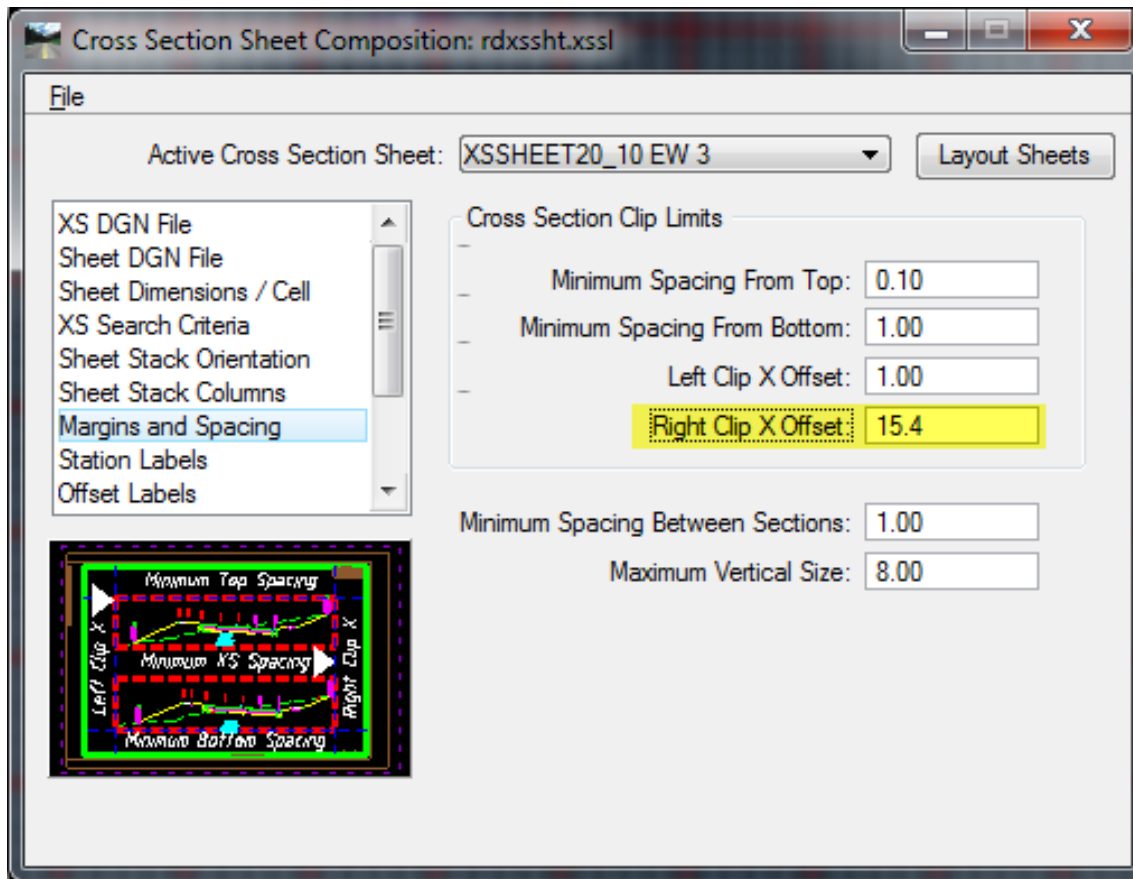
- Import quantities using ASCII file.
- Change location of Cut and Fill Quantities (Horizontal and Vertical).
- Change settings of cross section sheets.
- Bentley's next release will allow reclassification of earthwork quantities to unsuitable



Unsuitable Materials



Unsuitable Materials

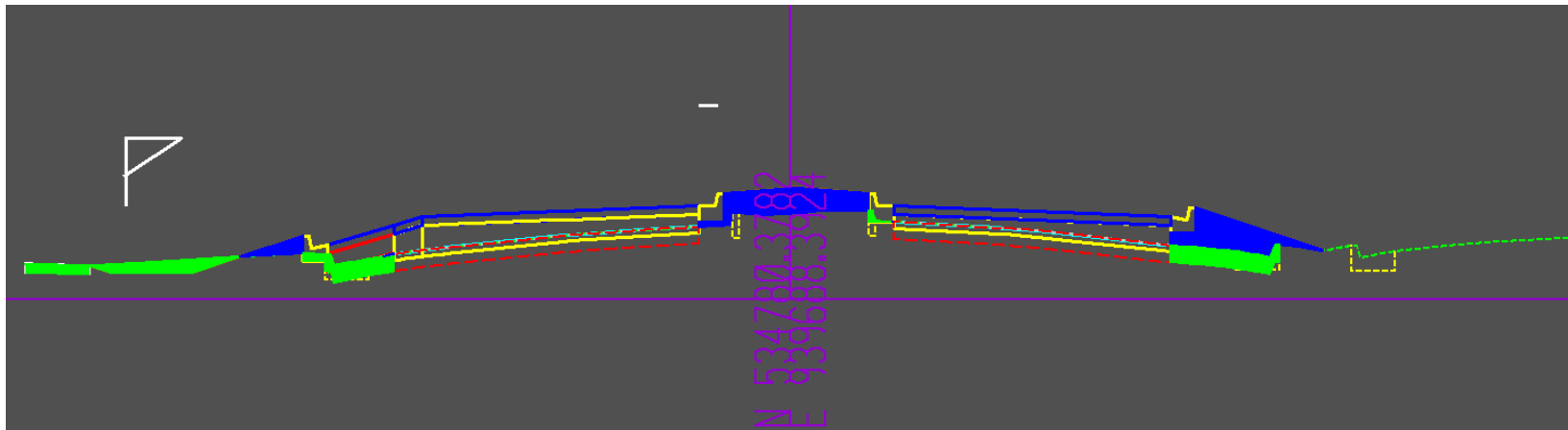


Overbuild Quantities

- ECSO is working on a VBA to calculate and tabulate overbuild quantities.

Manipulating Unsuitable Material on Widening Projects

- Existing features in GKLNRD01 need to be split to differentiate between what will remain and what needs to be removed.
- Feature Definition



Questions?

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